

<110> INCYTE CORPORATION
 RAMKUMAR, Jayalaxmi
 SWARNAKAR, Anita
 ELLIOT, Vicki S.
 HAFALIA, April J. A.
 RICHARDSON, Thomas W.
 LEE, Soo Yeun
 LINDQUIST, Erika A.
 MARQUIS, Joseph P.
 CHAWLA, Narinder K.
 KHARE, Reena
 BECHA, Shanya D.

<120> IMMUNE RESPONSE ASSOCIATED PROTEINS

<130> PF-1565, PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/407,561

<151> 2002-08-30

<150> US 60/410,178

<151> 2002-09-11

<150> US 60/410,571

<151> 2002-09-13

<150> US 60/419,906

<151> 2002-10-18

<150> US 60/421,445

<151> 2002-10-25

<160> 70

<170> PERL Program

<210> 1

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7519269CD1

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1				5					10					15
Ser	Gly	Leu	Glu	Glu	Leu	His	Ala	Ser	His	Ile	Pro	Thr	Ala	Asn
			20						25					30
Pro	Gly	His	Cys	Ile	Thr	Asp	Pro	Pro	Ser	Leu	Gly	Pro	Gln	Tyr
			35						40					45
His	Pro	Arg	Ser	Asn	Ser	Glu	Ser	Ser	Thr	Ser	Ser	Gly	Glu	Asp
			50						55					60
Tyr	Cys	Asn	Ser	Pro	Lys	Ser	Lys	Leu	Pro	Pro	Trp	Asn	Pro	Gln
			65						70					75
Val	Phe	Ser	Ser	Glu	Arg	Ser	Ser	Phe	Leu	Glu	Gln	Pro	Pro	Asn
			80						85					90
Leu	Glu	Leu	Ala	Gly	Thr	Gln	Pro	Ala	Phe	Ser	Gly	Ser	Pro	Ser
			95						100					105
Pro	Gln	Pro	Asp	Ser	Thr	Asp	Asn	Asp	Asp	Tyr	Asp	Asp	Ile	Ser

Ala Ala 110 115 120

<210> 2
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<220>
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 Met Trp Leu Phe Phe Gly Ile Thr Gly Leu Leu Thr Ala Ala Pro
 1 5 10 15
 Ser Glu Ser Ser Val Thr Val Lys Ile Glu Asn Lys Glu Ser Arg
 20 25 30
 Glu Leu Met Leu Leu Ile Pro Ser Ile Val Leu Gly Ile Leu Leu
 35 40 45
 Leu Gly Ser Leu Ile Phe Ile Ala Phe Ile Leu Leu Arg Ile Lys
 50 55 60
 Gly Lys Tyr Val Phe Met Leu Pro Ile Gln Val Gln Ala Pro Pro
 65 70 75
 Pro Glu Asp Ser Asp Ser Gly Ser Asp Ser Asp Tyr Glu His Tyr
 80 85 90
 Asp Phe Ser Ala Gln Pro Pro Val Ala Leu Thr Thr Phe Tyr Asn
 95 100 105
 Ser Gln Arg His Arg Val Thr Asp Glu Glu Val Gln Gln Ser Arg
 110 115 120
 Phe Gln Met Pro Pro Leu Glu Glu Gly Leu Glu Glu Leu His Ala
 125 130 135
 Ser His Ile Pro Thr Ala Asn Pro Gly His Cys Ile Thr Asp Pro
 140 145 150
 Pro Ser Leu Gly Pro Gln Tyr His Pro Arg Ser Asn Ser Glu Ser
 155 160 165
 Ser Thr Ser Ser Gly Glu Asp Tyr Cys Asn Ser Pro Lys Ser Lys
 170 175 180
 Leu Pro Pro Trp Asn Pro Gln Val Phe Ser Ser Glu Arg Ser Ser
 185 190 195
 Phe Leu Glu Gln Pro Pro Asn Leu Glu Leu Ala Gly Thr Gln Pro
 200 205 210
 Ala Phe Ser Gly Ser Pro Ser Pro Gln Pro Asp Ser Thr Asp Asn
 215 220 225
 Asp Asp Tyr Asp Asp Ile Ser Ala Ala
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<210> 3
 <211> 180
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7519531CD1

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 Met Trp Leu Phe Phe Gly Ile Thr Gly Leu Leu Thr Ala Ala Leu
 1 5 10 15
 Ser Asp Ser Gln Arg His Arg Val Thr Asp Glu Glu Val Gln Gln
 20 25 30
 Ser Arg Phe Gln Met Pro Pro Leu Glu Glu Gly Leu Glu Glu Leu
 35 40 45

His	Ala	Ser	His	Ile	Pro	Thr	Ala	Asn	Pro	Gly	His	Cys	Ile	Thr	
				50					55						60
Asp	Pro	Pro	Ser	Leu	Gly	Pro	Gln	Tyr	His	Pro	Arg	Ser	Asn	Ser	
				65					70						75
Glu	Ser	Ser	Thr	Ser	Ser	Gly	Glu	Asp	Tyr	Cys	Asn	Ser	Pro	Lys	
				80					85						90
Ser	Lys	Leu	Pro	Pro	Trp	Asn	Pro	Gln	Val	Phe	Ser	Ser	Glu	Arg	
				95					100						105
Ser	Ser	Phe	Leu	Glu	Gln	Pro	Pro	Asn	Leu	Glu	Leu	Ala	Gly	Thr	
				110					115						120
Gln	Pro	Ala	Phe	Ser	Gly	Pro	Pro	Ala	Asp	Asp	Ser	Ser	Ser	Thr	
				125					130						135
Ser	Ser	Gly	Glu	Trp	Tyr	Gln	Asn	Phe	Gln	Pro	Pro	Pro	Gln	Pro	
				140					145						150
Pro	Ser	Glu	Glu	Gln	Phe	Gly	Cys	Pro	Gly	Ser	Pro	Ser	Pro	Gln	
				155					160						165
Pro	Asp	Ser	Thr	Asp	Asn	Asp	Asp	Tyr	Asp	Asp	Ile	Ser	Ala	Ala	
				170					175						180

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<220>
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Met	Arg	Ala	Pro	Gly	Arg	Pro	Ala	Leu	Arg	Pro	Leu	Pro	Leu	Pro	
1				5					10						15
Pro	Leu	Leu	Leu	Leu	Leu	Leu	Ala	Ala	Pro	Trp	Gly	Arg	Ala	Val	
				20					25						30
Pro	Cys	Val	Ser	Gly	Gly	Leu	Pro	Lys	Pro	Ala	Asn	Ile	Thr	Phe	
				35					40						45
Leu	Ser	Ile	Asn	Met	Lys	Asn	Val	Leu	Gln	Trp	Thr	Pro	Pro	Glu	
				50					55						60
Gly	Leu	Gln	Gly	Val	Lys	Val	Thr	Tyr	Thr	Val	Gln	Tyr	Phe	Ile	
				65					70						75
Gly	Pro	Ser	Val												

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 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7519541CD1

Met	Asn	Leu	Ala	Ile	Ser	Ile	Ala	Leu	Leu	Leu	Thr	Val	Leu	Gln	
1				5					10						15
Val	Ser	Arg	Gly	Gln	Lys	Val	Thr	Ser	Leu	Thr	Ala	Cys	Leu	Val	
				20					25						30
Asp	Gln	Ser	Leu	Arg	Leu	Asp	Cys	Arg	His	Glu	Asn	Thr	Ser	Ser	
				35					40						45
Ser	Pro	Ile	Gln	Tyr	Glu	Phe	Ser	Leu	Thr	Arg	Glu	Thr	Lys	Lys	
				50					55						60
His	Val	Leu	Phe	Gly	Thr	Val	Gly	Val	Pro	Glu	His	Thr	Tyr	Arg	
				65					70						75

Ser	Arg	Thr	Asn	Phe	Thr	Ser	Lys	Tyr	Asn	Met	Lys	Val	Leu	Tyr	
				80					85					90	
Leu	Ser	Ala	Phe	Thr	Ser	Lys	Asp	Glu	Gly	Thr	Tyr	Thr	Cys	Ala	
				95					100					105	
Leu	His	His	Ser	Gly	His	Ser	Pro	Pro	Ile	Ser	Ser	Gln	Asn	Val	
				110					115					120	
Thr	Val	Leu	Arg	Gly	His	Gly	Phe	His	Val	Pro	Val	Thr	Gly	Gly	
				125					130					135	
Ala	His	Gly	Gly	Asp	Arg	Lys	Pro	Gln	Val	Pro	Val	Gln	Arg	Ser	
				140					145					150	

<210> 6

<211> 211

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520794CD1

<400> 6

Met	Trp	Leu	Leu	Val	Ser	Val	Ile	Leu	Ile	Ser	Arg	Ile	Ser	Ser	
1				5					10					15	
Val	Gly	Gly	Glu	Ala	Met	Phe	Cys	Asp	Phe	Pro	Lys	Ile	Asn	His	
				20					25					30	
Gly	Ile	Leu	Tyr	Asp	Glu	Glu	Lys	Tyr	Lys	Pro	Phe	Ser	Gln	Val	
				35					40					45	
Pro	Thr	Gly	Glu	Val	Phe	Tyr	Tyr	Ser	Cys	Glu	Tyr	Asn	Phe	Val	
				50					55					60	
Ser	Pro	Ser	Lys	Ser	Phe	Trp	Thr	Arg	Ile	Thr	Cys	Ala	Glu	Glu	
				65					70					75	
Gly	Trp	Ser	Pro	Thr	Pro	Lys	Cys	Leu	Ile	Ser	Ala	Glu	Lys	Cys	
				80					85					90	
Gly	Pro	Pro	Pro	Pro	Ile	Asp	Asn	Gly	Asp	Ile	Thr	Ser	Phe	Leu	
				95					100					105	
Leu	Ser	Val	Tyr	Ala	Pro	Gly	Ser	Ser	Val	Glu	Tyr	Gln	Cys	Gln	
				110					115					120	
Asn	Leu	Tyr	Gln	Leu	Glu	Gly	Asn	Asn	Gln	Ile	Thr	Cys	Arg	Asn	
				125					130					135	
Gly	Gln	Trp	Ser	Glu	Pro	Pro	Lys	Cys	Leu	Asp	Pro	Cys	Val	Ile	
				140					145					150	
Ser	Gln	Glu	Ile	Met	Glu	Lys	Tyr	Asn	Ile	Lys	Leu	Lys	Trp	Thr	
				155					160					165	
Asn	Gln	Gln	Lys	Leu	Tyr	Ser	Arg	Thr	Gly	Asp	Ile	Val	Glu	Phe	
				170					175					180	
Val	Cys	Lys	Ser	Gly	Tyr	His	Pro	Thr	Lys	Ser	His	Ser	Phe	Arg	
				185					190					195	
Ala	Met	Cys	Gln	Asn	Gly	Lys	Leu	Val	Tyr	Pro	Ser	Cys	Glu	Glu	
				200					205					210	

Lys

<210> 7

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520826CD1

<400> 7

Met	Ser	Arg	Gly	Leu	Gln	Leu	Leu	Leu	Leu	Ser	Cys	Ala	Tyr	Ser
1				5					10					15
Leu	Ala	Pro	Ala	Thr	Pro	Glu	Val	Lys	Val	Ala	Cys	Ser	Glu	Asp
				20					25					30
Val	Asp	Leu	Pro	Cys	Thr	Ala	Pro	Trp	Asp	Pro	Gln	Val	Pro	Tyr
				35					40					45
Thr	Val	Ser	Trp	Val	Lys	Lys	Phe	Ala	Arg	Leu	Gln	Ser	Ile	Phe
				50					55					60
Pro	Asp	Phe	Ser	Lys	Ala	Gly	Met	Glu	Arg	Ala	Phe	Leu	Pro	Val
				65					70					75
Thr	Ser	Pro	Asn	Lys	His	Leu	Gly	Leu	Val	Thr	Pro	His	Lys	Thr
				80					85					90
Glu	Leu	Val												

<210> 8

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520871CD1

<400> 8

Met	Tyr	His	Gly	Met	Asn	Pro	Ser	Asn	Gly	Asp	Gly	Phe	Leu	Glu
1				5					10					15
Gln	Gln	Gln	Gln	Gln	Gln	Gln	Pro	Gln	Ser	Pro	Gln	Arg	Leu	Leu
				20					25					30
Ala	Val	Ile	Leu	Trp	Phe	Gln	Leu	Ala	Leu	Cys	Phe	Gly	Pro	Ala
				35					40					45
Gln	Leu	Thr	Gly	Asp	Cys	Arg	Ile	Pro	Gln	Ile	Glu	Asp	Ala	Glu
				50					55					60
Ile	His	Asn	Lys	Thr	Tyr	Arg	His	Gly	Glu	Lys	Leu	Ile	Ile	Thr
				65					70					75
Cys	His	Glu	Gly	Phe	Lys	Ile	Arg	Tyr	Pro	Asp	Pro	His	Asn	Met
				80					85					90
Val	Ser	Leu	Cys	Arg	Asp	Asp	Gly	Thr	Trp	Asn	Asn	Leu	Pro	Ile
				95					100					105
Cys	Gln	Gly	Cys	Leu	Arg	Pro	Leu	Ala	Ser	Ser	Asn	Gly	Tyr	Val
				110					115					120
Asn	Ile	Ser	Glu	Leu	Gln	Thr	Ser	Phe	Pro	Val	Gly	Thr	Val	Ile
				125					130					135
Ser	Tyr	Arg	Cys	Phe	Pro	Gly	Phe	Lys	Leu	Asp	Gly	Ser	Ala	Tyr
				140					145					150
Leu	Glu	Cys	Leu	Gln	Asn	Leu	Ile	Trp	Ser	Ser	Ser	Pro	Pro	Arg
				155					160					165
Cys	Leu	Ala	Leu	Glu	Gly	Gly	Arg	Pro	Glu	His	Leu	Phe	Pro	Val
				170					175					180
Leu	Tyr	Phe	Pro	His	Ile	Arg	Leu	Ala	Ala	Ala	Val	Leu	Tyr	Phe
				185					190					195
Cys	Pro	Val	Leu	Lys	Ser	Ser	Pro	Thr	Pro	Ala	Pro	Thr	Cys	Ser
				200					205					210
Ser	Thr	Ser	Thr	Thr	Thr	Ser	Leu	Phe						
				215										

<210> 9

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520952CD1

<400> 9

Met	Asp	Pro	Lys	Gln	Thr	Thr	Leu	Leu	Cys	Leu	Val	Leu	Cys	Leu
1				5					10					15
Gly	Gln	Arg	Ile	Gln	Ala	Gln	Glu	Gly	Asp	Phe	Pro	Met	Pro	Phe
				20					25					30
Ile	Ser	Ala	Lys	Ser	Ser	Pro	Val	Ile	Pro	Leu	Asp	Gly	Ser	Val
				35					40					45
Lys	Ile	Gln	Cys	Gln	Ala	Ile	Arg	Glu	Ala	Tyr	Leu	Thr	Gln	Leu
				50					55					60
Met	Ile	Ile	Lys	Asn	Ser	Thr	Tyr	Arg	Glu	Ile	Gly	Arg	Arg	Leu
				65					70					75
Lys	Phe	Trp	Asn	Glu	Thr	Asp	Pro	Glu	Phe	Val	Ile	Asp	His	Met
				80					85					90
Asp	Ala	Asn	Lys	Ala	Gly	Arg	Tyr	Gln	Cys	Gln	Tyr	Arg	Ile	Gly
				95					100					105
His	Tyr	Arg	Phe	Arg	Tyr	Ser	Asp	Thr	Leu	Glu	Leu	Val	Val	Thr
				110					115					120
Gly	Leu	Tyr	Gly	Lys	Pro	Phe	Leu	Ser	Ala	Asp	Arg	Gly	Leu	Val
				125					130					135
Leu	Met	Pro	Gly	Glu	Asn	Ile	Ser	Leu	Thr	Cys	Ser	Ser	Ala	His
				140					145					150
Ile	Pro	Phe	Asp	Arg	Phe	Ser	Leu	Ala	Lys	Glu	Gly	Glu	Leu	Ser
				155					160					165
Leu	Pro	Gln	His	Gln	Ser	Gly	Glu	His	Pro	Ala	Asn	Phe	Ser	Leu
				170					175					180
Gly	Pro	Val	Asp	Leu	Asn	Val	Ser	Gly	Ile	Tyr	Arg	Leu	His	Pro
				185					190					195
Pro	Arg	Leu	His	Asp	Ala	Glu	Leu	Asp	Pro	His	Gly	Arg	Gly	Arg
				200					205					210
Thr	Gly	Pro	Arg	Gly	Ser	Leu	Gly	His	Thr	Gly				
				215					220					

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<211> 147

<212> PRT

<213> Homo sapiens

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Met	Ala	Arg	Gly	Ala	Ala	Leu	Ala	Leu	Leu	Leu	Phe	Gly	Leu	Leu
1				5					10					15
Gly	Val	Leu	Val	Ala	Ala	Pro	Asp	Gly	Gly	Phe	Asp	Leu	Ser	Asp
				20					25					30
Ala	Leu	Pro	Asp	Asn	Glu	Asn	Lys	Lys	Pro	Thr	Ala	Ile	Pro	Lys
				35					40					45
Lys	Pro	Ser	Ala	Gly	Asp	Asp	Phe	Asp	Leu	Gly	Asp	Ala	Val	Val
				50					55					60
Asp	Gly	Glu	Asn	Asp	Asp	Pro	Arg	Pro	Pro	Asn	Pro	Pro	Lys	Pro
				65					70					75
Met	Pro	Asn	Pro	Asn	Pro	Asn	His	Pro	Ser	Ser	Ser	Gly	Ser	Phe
				80					85					90
Ser	Asp	Ala	Asp	Leu	Ala	Asp	Gly	Val	Ser	Gly	Gly	Glu	Gly	Lys
				95					100					105
Gly	Gly	Ser	Asp	Gly	Gly	Gly	Ser	His	Arg	Lys	Glu	Gly	Glu	Glu
				110					115					120
Ala	Glu	Gln	Gly	Glu	Val	Asp	Met	Glu	Ser	His	Arg	Asn	Ala	Asn
				125					130					135
Ala	Glu	Pro	Ala	Val	Gln	Arg	Thr	Leu	Leu	Glu	Lys			

140

145

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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520129CD1

<400> 11

Met	Leu	Arg	Leu	Leu	Leu	Ala	Leu	Asn	Leu	Ser	Pro	Ser	Ile	Gln	
1				5					10					15	
Val	Thr	Gly	Asn	Lys	Ile	Leu	Val	Lys	Gln	Ser	Pro	Met	Leu	Val	
			20						25					30	
Ala	Tyr	Asp	Asn	Ala	Val	Asn	Leu	Ser	Cys	Lys	Tyr	Ser	Tyr	Asn	
			35						40					45	
Leu	Phe	Ser	Arg	Glu	Phe	Arg	Ala	Ser	Leu	His	Lys	Gly	Leu	Asp	
			50						55					60	
Ser	Ala	Val	Glu	Val	Cys	Val	Val	Tyr	Gly	Asn	Tyr	Ser	Gln	Gln	
			65						70					75	
Leu	Gln	Val	Arg	Ser	Lys	Arg	Ser	Arg	Leu	Leu	His	Ser	Asp	Tyr	
			80						85					90	
Met	Asn	Met	Thr	Pro	Arg	Arg	Pro	Gly	Pro	Thr	Arg	Lys	His	Tyr	
			95						100					105	
Gln	Pro	His	Ala	Pro	Pro	Arg	Asp	Phe	Ala	Ala	Tyr	Arg	Ser		
			110						115						

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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520219CD1

<400> 12

Met	Leu	Pro	Pro	Gly	Thr	Ala	Thr	Leu	Leu	Thr	Leu	Leu	Leu	Ala	
1				5					10					15	
Ala	Gly	Ser	Leu	Gly	Gln	Lys	Pro	Gln	Arg	Pro	Arg	Arg	Pro	Ala	
			20						25					30	
Ser	Pro	Ile	Ser	Thr	Ile	Gln	Pro	Lys	Ala	Asn	Phe	Asp	Ala	Gln	
			35						40					45	
Gln	Glu	Gln	Gly	His	Arg	Ala	Glu	Ala	Thr	Thr	Leu	His	Val	Ala	
			50						55					60	
Pro	Gln	Gly	Thr	Ala	Met	Ala	Val	Ser	Thr	Phe	Arg	Lys	Leu	Asp	
			65						70					75	
Gly	Ile	Cys	Trp	Gln	Val	Arg	Gln	Leu	Tyr	Gly	Asp	Thr	Gly	Val	
			80						85					90	
Leu	Gly	Arg	Phe	Leu	Leu	Gln	Ala	Arg	Asp	Ala	Arg	Gly	Ala	Val	
			95						100					105	
His	Val	Val	Val	Ala	Glu	Thr	Asp	Tyr	Gln	Ser	Phe	Ala	Val	Leu	
			110						115					120	
Tyr	Leu	Glu	Arg	Ala	Gly	Gln	Leu	Ser	Val	Lys	Leu	Tyr	Ala	Arg	
			125						130					135	
Ser	Leu	Pro	Val	Ser	Asp	Ser	Val	Leu	Ser	Gly	Phe	Glu	Gln	Arg	
			140						145					150	
Val	Gln	Glu	Ala	His	Leu	Thr	Glu	Asp	Gln	Ile	Phe	Tyr	Phe	Pro	
			155						160					165	
Lys	Tyr	Gly	Phe	Cys	Glu	Ala	Ala	Asp	Gln	Phe	His	Val	Leu	Asp	
			170						175					180	

Glu Val Arg Arg

<210> 13
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 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520229CD1

<400> 13
 Met Leu Pro Pro Gly Thr Ala Thr Leu Leu Thr Leu Leu Leu Ala
 1 5 10 15
 Ala Gly Ser Leu Gly Gln Lys Pro Gln Arg Pro Arg Arg Pro Ala
 20 25 30
 Ser Pro Ile Ser Thr Ile Gln Pro Lys Ala Asn Phe Asp Ala Gln
 35 40 45
 Gln Phe Ala Gly Thr Trp Leu Leu Val Ala Val Gly Ser Ala Cys
 50 55 60
 Arg Phe Leu Gln Glu Gln Gly His Arg Ala Glu Ala Thr Thr Leu
 65 70 75
 His Val Ala Pro Gln Gly Thr Ala Met Ala Val Ser Thr Phe Arg
 80 85 90
 Lys Leu Pro Arg Arg Pro Arg Gly Cys Ala Arg Gly Cys Arg
 95 100

<210> 14
 <211> 174
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520239CD1

<400> 14
 Met Leu Pro Pro Gly Thr Ala Thr Leu Leu Thr Leu Leu Leu Ala
 1 5 10 15
 Ala Gly Ser Leu Gly Gln Lys Pro Gln Arg Pro Arg Arg Pro Ala
 20 25 30
 Ser Pro Ile Ser Thr Ile Gln Pro Lys Ala Asn Phe Asp Ala Gln
 35 40 45
 Gln Phe Ala Gly Thr Trp Leu Leu Val Ala Val Gly Ser Ala Cys
 50 55 60
 Arg Phe Leu Gln Glu Gln Gly His Arg Ala Glu Ala Thr Thr Leu
 65 70 75
 His Val Ala Pro Gln Gly Thr Ala Met Ala Val Ser Thr Phe Arg
 80 85 90
 Lys Leu Asp Gly Ile Cys Trp Gln Ala Arg Gln Leu Tyr Gly Asp
 95 100 105
 Thr Gly Val Leu Gly Arg Phe Leu Leu Gln Ala Arg Asp Ala Arg
 110 115 120
 Gly Ala Val His Val Val Val Ala Glu Thr Asp Tyr Gln Ser Phe
 125 130 135
 Ala Val Leu Tyr Leu Glu Arg Ala Gly Gln Leu Ser Val Lys Leu
 140 145 150
 Tyr Glu Pro Ser Thr Pro Pro Gly Ala Arg Thr Pro Gly Thr Leu
 155 160 165
 Ser Ala Leu Gln Pro Ala Arg Ser Leu
 170

<210> 15
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<220>
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 <223> Incyte ID No: 7518556CD1

<400> 15
 Met Leu Phe Leu Gln Phe Leu Leu Leu Ala Leu Leu Leu Pro Gly
 1 5 10 15
 Gly Asp Asn Ala Asp Ala Ser Gln Glu His Val Ser Phe His Val
 20 25 30
 Ile Gln Ile Phe Ser Phe Val Asn Gln Ser Trp Ala Arg Gly Gln
 35 40 45
 Gly Ser Gly Trp Leu Asp Glu Leu Gln Thr His Gly Trp Asp Ser
 50 55 60
 Glu Ser Gly Thr Ile Ile Phe Leu His Asn Trp Ser Lys Gly Asn
 65 70 75
 Phe Ser Asn Glu Glu Leu Ser Asp Leu Glu Leu Leu Phe Arg Phe
 80 85 90
 Tyr Leu Phe Gly Leu Thr Arg Glu Ile Gln Asp His Ala Ser Gln
 95 100 105
 Asp Tyr Ser Lys Tyr Pro Phe Glu Val Gln Val Lys Ala Gly Cys
 110 115 120
 Glu Leu His Ser Gly Lys Ser Pro Glu Gly Phe Phe Gln Val Ala
 125 130 135
 Phe Asn Gly Leu Asp Leu Leu Ser Phe Gln Asn Thr Thr Trp Val
 140 145 150
 Pro Ser Pro Gly Cys Gly Ser Leu Ala Gln Ser Val Cys His Leu
 155 160 165
 Leu Asn His Gln Tyr Glu Gly Val Thr Glu Thr Val Tyr Asn Leu
 170 175 180
 Ile Arg Ser Thr Cys Pro Arg Phe Leu Leu Gly Leu Leu Asp Ala
 185 190 195
 Gly Lys Met Tyr Val His Arg Gln Val Arg Pro Glu Ala Trp Leu
 200 205 210
 Ser Ser Arg Pro Ser Leu Gly Ser Gly Gln Leu Leu Leu Val Cys
 215 220 225
 His Ala Ser Gly Phe Tyr Pro Lys Pro Val Trp Val Thr Trp Met
 230 235 240
 Arg Asn Glu Gln Glu Gln Leu Gly Thr Lys His Gly Asp Ile Leu
 245 250 255
 Pro Asn Ala Asp Gly Thr Trp Tyr Leu Gln Val Ile Leu Glu Val
 260 265 270
 Ala Ser Glu Glu Pro Ala Gly Leu Ser Cys Arg Val Arg His Ser
 275 280 285
 Ser Leu Gly Gly Gln Asp Ile Ile Leu Tyr Trp Ala His Ile Arg
 290 295 300
 Thr Ser Cys Glu Thr Leu Pro Pro Asp Ser Pro Ile Val Leu Arg
 305 310 315
 Thr Gln Gln Pro Arg Ser Leu Val Gln Tyr Ser Asp Ala Ile Pro
 320 325 330
 Ser Thr Leu His Leu Asn Cys Phe Ser Phe Cys Ile Ile Asn Ile
 335 340 345
 Cys

<210> 16
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520026CD1

<400> 16

Met	Leu	Pro	Pro	Gly	Thr	Ala	Thr	Leu	Leu	Thr	Leu	Leu	Leu	Ala
1				5				10						15
Ala	Gly	Ser	Leu	Gly	Gln	Lys	Pro	Gln	Arg	Pro	Arg	Arg	Pro	Ala
				20				25						30
Ser	Pro	Ile	Ser	Thr	Ile	Gln	Pro	Lys	Ala	Asn	Phe	Asp	Ala	Gln
				35				40						45
Gln	Val	Glu	Val	Gly	Gly	Gly	Arg	Gly	Arg	Gln	Val	Glu	Val	Val
				50				55						60
Gly	Gly	Val	Glu	Gly	Asp	Arg								
				65										

<210> 17

<211> 163

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7514650CD1

<400> 17

Met	Asn	Ser	Phe	Ser	Thr	Ser	Ala	Phe	Gly	Pro	Val	Ala	Phe	Ser
1				5					10					15
Leu	Gly	Leu	Leu	Leu	Val	Leu	Pro	Ala	Ala	Phe	Pro	Ala	Pro	Val
				20					25					30
Pro	Pro	Gly	Glu	Asp	Ser	Lys	Asp	Val	Ala	Ala	Pro	His	Arg	Gln
				35					40					45
Pro	Leu	Thr	Ser	Ser	Glu	Arg	Ile	Asp	Lys	Gln	Ile	Arg	Tyr	Ile
				50					55					60
Leu	Asp	Gly	Ile	Ser	Ala	Leu	Arg	Lys	Glu	Thr	Cys	Asn	Lys	Ser
				65					70					75
Asn	Met	Cys	Glu	Ser	Ser	Lys	Glu	Ala	Leu	Ala	Glu	Asn	Asn	Pro
				80					85					90
Asn	Leu	Pro	Lys	Met	Ala	Glu	Lys	Asp	Gly	Cys	Phe	Gln	Ser	Gly
				95					100					105
Phe	Asn	Glu	Ala	Lys	Asn	Leu	Asp	Ala	Ile	Thr	Thr	Pro	Asp	Pro
				110					115					120
Thr	Thr	Asn	Ala	Ser	Leu	Leu	Thr	Lys	Leu	Gln	Ala	Gln	Asn	Gln
				125					130					135
Trp	Leu	Gln	Asp	Met	Thr	Thr	His	Leu	Ile	Leu	Arg	Ser	Phe	Lys
				140					145					150
Glu	Phe	Leu	Gln	Ser	Ser	Leu	Arg	Ala	Leu	Arg	Gln	Met		
				155					160					

<210> 18

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7518754CD1

<400> 18

Met	Lys	Ala	Leu	Met	Leu	Leu	Thr	Leu	Ser	Val	Leu	Leu	Cys	Trp
1				5					10					15
Val	Ser	Ala	Asp	Ile	Arg	Cys	His	Ser	Cys	Tyr	Lys	Val	Pro	Val
				20					25					30

```

Leu Gly Cys Val Asp Arg Gln Ser Cys Arg Leu Glu Pro Gly Gln
      35              40              45
Gln Cys Leu Thr Thr His Ala Tyr Leu Glu Glu Pro Cys Gln Glu
      50              55              60
Ala Phe Asn Gln Thr Asn Arg Lys Leu Gly Leu Thr Tyr Asn Thr
      65              70              75
Thr Cys Cys Asn Lys Asp Asn Cys Asn Ser Ala Gly Pro Arg Pro
      80              85              90
Thr Pro Ala Leu Gly Leu Val Phe Leu Thr Ser Leu Ala Gly Leu
      95              100             105
Gly Leu Trp Leu Leu His
      110

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<210> 19

<211> 264

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7518846CD1

<400> 19

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Met Lys Leu Gly Cys Val Leu Met Ala Trp Ala Leu Tyr Leu Ser
  1              5              10              15
Leu Gly Val Leu Trp Val Ala Gln Met Leu Leu Ala Ala Ser Phe
      20              25              30
Glu Thr Leu Gln Cys Glu Gly Pro Val Cys Thr Glu Glu Ser Ser
      35              40              45
Cys His Thr Glu Asp Asp Leu Thr Asp Ala Arg Glu Ala Gly Phe
      50              55              60
Gln Val Lys Ala Tyr Thr Phe Ser Glu Pro Phe His Leu Ile Val
      65              70              75
Ser Tyr Asp Trp Leu Ile Leu Gln Gly Pro Ala Lys Pro Val Phe
      80              85              90
Glu Gly Asp Leu Leu Val Leu Arg Cys Gln Ala Trp Gln Asp Trp
      95              100             105
Pro Leu Thr Gln Val Thr Phe Tyr Arg Asp Gly Ser Ala Leu Gly
      110             115             120
Pro Pro Gly Pro Asn Arg Glu Phe Ser Ile Thr Val Val Gln Lys
      125             130             135
Ala Asp Ser Gly His Tyr His Cys Ser Gly Ile Phe Gln Ser Pro
      140             145             150
Gly Pro Gly Ile Pro Glu Thr Ala Ser Val Val Ala Ile Thr Val
      155             160             165
Gln Gly Ala Ser Ser Ser Ala Ala Pro Pro Thr Leu Asn Pro Ala
      170             175             180
Pro Gln Lys Ser Ala Ala Pro Gly Thr Ala Pro Glu Glu Ala Pro
      185             190             195
Gly Pro Leu Pro Pro Pro Pro Thr Pro Ser Ser Glu Asp Pro Gly
      200             205             210
Phe Ser Ser Pro Leu Gly Met Pro Asp Pro His Leu Tyr His Gln
      215             220             225
Met Gly Leu Leu Leu Lys His Met Gln Asp Val Arg Val Leu Leu
      230             235             240
Gly His Leu Leu Met Glu Leu Arg Glu Leu Ser Gly His Arg Lys
      245             250             255
Pro Gly Thr Thr Lys Ala Thr Ala Glu
      260

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<210> 20

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7519298CD1

<400> 20

Met	Lys	Ala	Ser	Ser	Leu	Ala	Phe	Ser	Leu	Leu	Ser	Ala	Ala	Phe
1				5					10					15
Tyr	Leu	Leu	Trp	Thr	Pro	Ser	Thr	Gly	Leu	Lys	Thr	Leu	Asn	Leu
				20					25					30
Gly	Ser	Cys	Val	Ile	Ala	Thr	Asn	Leu	Gln	Glu	Ile	Arg	Asn	Gly
				35					40					45
Phe	Ser	Glu	Ile	Arg	Gly	Ser	Val	Val	Arg	Lys	Arg	Val	Ser	Thr
				50					55					60
Ser	Pro	Glu	Ser	Leu	Phe	Ser	Ser	Phe	Leu	Val	Arg	Phe	Ser	Phe
				65					70					75
Leu	Ala	Val	Leu	Ala	Val									
				80										

<210> 21

<211> 282

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521374CD1

<400> 21

Met	Ser	Met	Ser	Pro	Thr	Val	Ile	Ile	Leu	Ala	Cys	Leu	Gly	Phe
1				5					10					15
Phe	Leu	Asp	Gln	Ser	Val	Trp	Ala	His	Val	Gly	Leu	Tyr	Glu	Lys
				20					25					30
Pro	Ser	Leu	Thr	Ala	Arg	Pro	Gly	Pro	Thr	Val	Arg	Ala	Gly	Glu
				35					40					45
Asn	Val	Thr	Leu	Ser	Cys	Ser	Ser	Gln	Ser	Ser	Phe	Asp	Ile	Tyr
				50					55					60
His	Leu	Ser	Arg	Glu	Gly	Glu	Ala	His	Glu	Leu	Arg	Leu	Pro	Ala
				65					70					75
Val	Pro	Ser	Ile	Asn	Gly	Thr	Phe	Gln	Ala	Asp	Phe	Pro	Leu	Gly
				80					85					90
Pro	Ala	Thr	His	Gly	Glu	Thr	Tyr	Arg	Cys	Phe	Gly	Ser	Phe	His
				95					100					105
Gly	Ser	Pro	Tyr	Glu	Trp	Ser	Asp	Pro	Ser	Asp	Pro	Leu	Pro	Val
				110					115					120
Ser	Val	Thr	Gly	Asn	Pro	Ser	Ser	Ser	Trp	Pro	Ser	Pro	Thr	Glu
				125					130					135
Pro	Ser	Phe	Lys	Thr	Gly	Ile	Ala	Arg	His	Leu	His	Ala	Val	Ile
				140					145					150
Arg	Tyr	Ser	Val	Ala	Ile	Ile	Leu	Phe	Thr	Ile	Leu	Pro	Phe	Phe
				155					160					165
Leu	Leu	His	Arg	Trp	Cys	Ser	Lys	Lys	Lys	Asn	Ala	Ala	Val	Met
				170					175					180
Asn	Gln	Glu	Pro	Ala	Gly	His	Arg	Thr	Val	Asn	Arg	Glu	Asp	Ser
				185					190					195
Asp	Glu	Gln	Asp	Pro	Gln	Glu	Val	Thr	Tyr	Ala	Gln	Leu	Asp	His
				200					205					210
Cys	Ile	Phe	Thr	Gln	Arg	Lys	Ile	Thr	Gly	Pro	Ser	Gln	Arg	Ser
				215					220					225
Lys	Arg	Pro	Ser	Thr	Asp	Thr	Ser	Val	Cys	Ile	Glu	Leu	Pro	Asn
				230					235					240
Ala	Glu	Pro	Arg	Ala	Leu	Ser	Pro	Ala	His	Glu	His	His	Ser	Gln

	245		250		255
Ala Leu Met Gly Ser	Ser Arg Glu Thr	Thr Ala Leu Ser Gln	Thr		
	260		265		270
Gln Leu Ala Ser Ser	Asn Val Pro Ala	Ala Gly Ile			
	275		280		

<210> 22
 <211> 265
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521399CD1

<400> 22

Met Ser Met Ser Pro Thr Val Ile Ile Leu Ala Cys Leu Gly Phe		
1 5 10 15		
Phe Leu Asp Gln Ser Val Trp Ala His Val Gly Gly Gln Asp Lys		
20 25 30		
Pro Phe Cys Ser Ala Trp Pro Ser Ala Val Val Pro Gln Gly Gly		
35 40 45		
His Val Thr Leu Arg Cys His Tyr Arg Arg Gly Phe Asn Ile Phe		
50 55 60		
Thr Leu Tyr Lys Lys Asp Gly Val Pro Val Pro Glu Leu Tyr Asn		
65 70 75		
Arg Ile Phe Trp Asn Ser Phe Leu Ile Ser Pro Val Thr Pro Ala		
80 85 90		
His Ala Gly Thr Tyr Arg Cys Arg Gly Phe His Pro His Ser Pro		
95 100 105		
Thr Glu Trp Ser Ala Pro Ser Asn Pro Leu Val Ile Met Val Thr		
110 115 120		
Gly Leu Tyr Glu Lys Pro Ser Leu Thr Ala Arg Pro Gly Pro Thr		
125 130 135		
Val Arg Ala Gly Glu Asn Val Thr Leu Ser Cys Ser Ser Gln Ser		
140 145 150		
Ser Phe Asp Ile Tyr His Leu Ser Arg Glu Gly Glu Ala His Glu		
155 160 165		
Leu Arg Leu Pro Ala Val Pro Ser Ile Asn Gly Thr Phe Gln Ala		
170 175 180		
Asp Phe Pro Leu Gly Pro Ala Thr His Gly Glu Thr Tyr Arg Cys		
185 190 195		
Phe Gly Ser Phe His Gly Ser Pro Tyr Glu Trp Ser Asp Pro Ser		
200 205 210		
Asp Pro Leu Pro Val Ser Val Thr Gly Asn Pro Ser Ser Ser Trp		
215 220 225		
Pro Ser Pro Thr Glu Pro Ser Phe Lys Thr Gly Ile Ala Arg His		
230 235 240		
Leu His Ala Val Ile Arg Cys Cys Cys Asn Glu Pro Arg Ala Cys		
245 250 255		
Gly Thr Gln Asn Ser Glu Gln Gly Gly Leu		
260 265		

<210> 23
 <211> 565
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520356CD1

<400> 23

Met	Val	Ala	Pro	Lys	Ser	His	Thr	Asp	Asp	Trp	Ala	Pro	Gly	Pro
1				5					10					15
Phe	Ser	Ser	Lys	Pro	Gln	Arg	Ser	Gln	Leu	Gln	Ile	Phe	Ser	Ser
				20					25					30
Val	Leu	Gln	Thr	Ser	Leu	Leu	Phe	Leu	Leu	Met	Gly	Leu	Arg	Ala
				35					40					45
Ser	Gly	Lys	Asp	Ser	Ala	Pro	Thr	Val	Val	Ser	Gly	Ile	Leu	Gly
				50					55					60
Gly	Ser	Val	Thr	Leu	Pro	Leu	Asn	Ile	Ser	Val	Asp	Thr	Glu	Ile
				65					70					75
Glu	Asn	Val	Ile	Trp	Ile	Gly	Pro	Lys	Asn	Ala	Leu	Ala	Phe	Ala
				80					85					90
Arg	Pro	Lys	Glu	Asn	Val	Thr	Ile	Met	Val	Lys	Ser	Tyr	Leu	Gly
				95					100					105
Arg	Leu	Asp	Ile	Thr	Lys	Trp	Ser	Tyr	Ser	Leu	Cys	Ile	Ser	Asn
				110					115					120
Leu	Thr	Leu	Asn	Asp	Ala	Gly	Ser	Tyr	Lys	Ala	Gln	Ile	Asn	Gln
				125					130					135
Arg	Asn	Phe	Glu	Val	Thr	Thr	Glu	Glu	Glu	Phe	Thr	Leu	Phe	Val
				140					145					150
Tyr	Glu	Gln	Leu	Gln	Glu	Pro	Gln	Val	Thr	Met	Lys	Ser	Val	Lys
				155					160					165
Val	Ser	Glu	Asn	Phe	Ser	Cys	Asn	Ile	Thr	Leu	Met	Cys	Ser	Val
				170					175					180
Lys	Gly	Ala	Glu	Lys	Ser	Val	Leu	Tyr	Ser	Trp	Thr	Pro	Arg	Glu
				185					190					195
Pro	His	Ala	Ser	Glu	Ser	Asn	Gly	Gly	Ser	Ile	Leu	Thr	Val	Ser
				200					205					210
Arg	Thr	Pro	Cys	Asp	Pro	Asp	Leu	Pro	Tyr	Ile	Cys	Thr	Ala	Gln
				215					220					225
Asn	Pro	Val	Ser	Gln	Arg	Ser	Ser	Leu	Pro	Val	His	Val	Gly	Gln
				230					235					240
Phe	Cys	Thr	Asp	Pro	Gly	Ala	Ser	Arg	Gly	Gly	Thr	Thr	Gly	Glu
				245					250					255
Thr	Val	Val	Gly	Val	Leu	Gly	Glu	Pro	Val	Thr	Leu	Pro	Leu	Ala
				260					265					270
Leu	Pro	Ala	Cys	Arg	Asp	Thr	Glu	Lys	Val	Val	Trp	Leu	Phe	Asn
				275					280					285
Thr	Ser	Ile	Ile	Ser	Lys	Glu	Arg	Glu	Glu	Ala	Ala	Thr	Ala	Asp
				290					295					300
Pro	Leu	Ile	Lys	Ser	Arg	Asp	Pro	Tyr	Lys	Asn	Arg	Val	Trp	Val
				305					310					315
Ser	Ser	Gln	Asp	Cys	Ser	Leu	Lys	Ile	Ser	Gln	Leu	Lys	Ile	Glu
				320					325					330
Asp	Ala	Gly	Pro	Tyr	His	Ala	Tyr	Val	Cys	Ser	Glu	Ala	Ser	Ser
				335					340					345
Val	Thr	Ser	Met	Thr	His	Val	Thr	Leu	Leu	Ile	Tyr	Arg	Pro	Glu
				350					355					360
Arg	Asn	Thr	Lys	Leu	Trp	Ile	Gly	Leu	Phe	Leu	Met	Val	Cys	Leu
				365					370					375
Leu	Cys	Val	Gly	Ile	Phe	Ser	Trp	Cys	Ile	Trp	Lys	Arg	Lys	Gly
				380					385					390
Arg	Cys	Ser	Val	Pro	Ala	Phe	Cys	Ser	Ser	Gln	Ala	Glu	Ala	Pro
				395					400					405
Ala	Asp	Thr	Pro	Glu	Pro	Thr	Ala	Gly	His	Thr	Leu	Tyr	Ser	Val
				410					415					420
Leu	Ser	Gln	Gly	Tyr	Glu	Lys	Leu	Asp	Thr	Pro	Leu	Arg	Pro	Ala
				425					430					435
Arg	Gln	Gln	Pro	Thr	Pro	Thr	Ser	Asp	Ser	Ser	Ser	Asp	Ser	Asn
				440					445					450
Leu	Thr	Thr	Glu	Glu	Asp	Glu	Asp	Arg	Pro	Glu	Val	His	Lys	Pro
				455					460					465
Ile	Ser	Gly	Arg	Tyr	Glu	Val	Phe	Asp	Gln	Val	Thr	Gln	Glu	Gly

	470		475		480
Ala Gly His Asp	Pro Ala Pro Glu Gly	Gln Ala Asp Tyr Asp	Pro		
	485		490		495
Val Thr Pro Tyr	Val Thr Glu Ala Glu	Ser Val Val Gly Glu	Asn		
	500		505		510
Thr Met Tyr Ala	Gln Val Phe Asn Leu	Gln Gly Arg Thr Pro	Val		
	515		520		525
Pro Gln Lys Glu	Glu Ser Ser Ala Thr	Ile Tyr Cys Ser Ile	Arg		
	530		535		540
Lys Pro Gln Val	Val Pro Pro Pro Gln	Gln Asn Asp Leu Gly	Ile		
	545		550		555
Pro Glu Ser Pro	Thr Tyr Glu Asn Phe	Thr			
	560		565		

<210> 24
 <211> 205
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520783CD1

<400> 24

Met Trp Leu Leu Val	Ser Val Ile Leu Ile	Ser Arg Ile Ser Ser
1	5	10
Val Gly Gly Glu Gly	Leu Cys Phe Phe	Pro Phe Val Glu Asn Gly
	20	25
His Ser Glu Ser Ser	Gly Gln Thr His	Leu Glu Gly Asp Thr Val
	35	40
Gln Ile Ile Cys Asn	Thr Gly Tyr Arg	Leu Gln Asn Asn Glu Asn
	50	55
Asn Ile Ser Cys Val	Glu Arg Gly Trp	Ser Thr Pro Pro Lys Cys
	65	70
Arg Ser Thr Ile Ser	Ala Glu Lys Cys	Gly Pro Pro Pro Pro Ile
	80	85
Asp Asn Gly Asp Ile	Thr Ser Phe Leu	Leu Ser Val Tyr Ala Pro
	95	100
Gly Ser Ser Val Glu	Tyr Gln Cys Gln	Asn Leu Tyr Gln Leu Glu
	110	115
Gly Asn Asn Gln Ile	Thr Cys Arg Asn	Gly Gln Trp Ser Glu Pro
	125	130
Pro Lys Cys Leu Asp	Pro Cys Val Ile	Ser Gln Glu Ile Met Glu
	140	145
Lys Tyr Asn Ile Lys	Leu Lys Trp Thr	Asn Gln Gln Lys Leu Tyr
	155	160
Ser Arg Thr Gly Asp	Ile Val Glu Phe	Val Cys Lys Ser Gly Tyr
	170	175
His Pro Thr Lys Ser	His Ser Phe Arg	Ala Met Cys Gln Asn Gly
	185	190
Lys Leu Val Tyr Pro	Ser Cys Glu Glu	Lys
	200	205

<210> 25
 <211> 325
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520788CD1

<400> 25

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Met Ser Met Ser Pro Thr Val Ile Ile Leu Ala Cys Leu Gly Phe
 1          5          10          15
Phe Leu Asp Gln Ser Val Trp Ala His Val Gly Gly Gln Asp Lys
          20          25          30
Pro Phe Cys Ser Ala Trp Pro Ser Ala Val Val Pro Gln Gly Gly
          35          40          45
His Val Thr Leu Arg Cys His Tyr Arg Arg Gly Phe Asn Ile Phe
          50          55          60
Thr Leu Tyr Lys Lys Asp Gly Val Pro Val Pro Glu Leu Tyr Asn
          65          70          75
Arg Ile Phe Trp Asn Ser Phe Leu Ile Ser Pro Val Thr Pro Ala
          80          85          90
His Ala Gly Thr Tyr Arg Cys Arg Gly Phe His Pro His Ser Pro
          95          100          105
Thr Glu Trp Ser Ala Pro Ser Asn Pro Leu Val Ile Met Val Thr
          110          115          120
Gly Leu Tyr Glu Lys Pro Ser Leu Thr Ala Arg Pro Gly Pro Thr
          125          130          135
Val Arg Ala Gly Glu Asn Val Thr Leu Ser Cys Ser Ser Gln Ser
          140          145          150
Ser Phe Asp Ile Tyr His Leu Ser Arg Glu Gly Glu Ala His Glu
          155          160          165
Leu Arg Leu Pro Ala Val Pro Ser Ile Asn Gly Thr Phe Gln Ala
          170          175          180
Asp Phe Pro Leu Gly Pro Ala Thr His Gly Glu Thr Tyr Arg Cys
          185          190          195
Phe Gly Ser Phe His Gly Ser Pro Tyr Glu Trp Ser Asp Pro Ser
          200          205          210
Asp Pro Leu Pro Val Ser Val Thr Asp Ala Ala Val Met Asn Gln
          215          220          225
Glu Pro Ala Gly His Arg Thr Val Asn Arg Glu Asp Ser Asp Glu
          230          235          240
Gln Asp Pro Gln Glu Val Thr Tyr Ala Gln Leu Asp His Cys Ile
          245          250          255
Phe Thr Gln Arg Lys Ile Thr Gly Pro Ser Gln Arg Ser Lys Arg
          260          265          270
Pro Ser Thr Asp Thr Ser Val Cys Ile Glu Leu Pro Asn Ala Glu
          275          280          285
Pro Arg Ala Leu Ser Pro Ala His Glu His His Ser Gln Ala Leu
          290          295          300
Met Gly Ser Ser Arg Glu Thr Thr Ala Leu Ser Gln Thr Gln Leu
          305          310          315
Ala Ser Ser Asn Val Pro Ala Ala Gly Ile
          320          325

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<210> 26

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520790CD1

<400> 26

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Met Thr Ser Glu Ile Thr Tyr Ala Glu Val Arg Phe Lys Asn Glu
 1          5          10          15
Phe Lys Ser Ser Gly Ile Asn Thr Ala Ser Ser Ala Glu Thr Ala
          20          25          30
Trp Ser Cys Cys Pro Lys Asn Trp Lys Ser Phe Ser Ser Asn Cys
          35          40          45
Tyr Phe Ile Ser Thr Glu Ser Ala Ser Trp Gln Asp Ser Glu Lys
          50          55          60

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Asp	Cys	Ala	Arg	Met	Glu	Ala	His	Leu	Leu	Val	Ile	Asn	Thr	Gln
				65					70					75
Glu	Glu	Gln	Asp	Phe	Ile	Phe	Gln	Asn	Leu	Gln	Glu	Glu	Ser	Ala
				80					85					90
Tyr	Phe	Val	Gly	Leu	Ser	Asp	Pro	Glu	Gly	Gln	Arg	His	Trp	Gln
				95					100					105
Trp	Val	Asp	Gln	Thr	Pro	Tyr	Asn	Glu	Ser	Ser	Thr	Phe	Trp	His
				110					115					120
Pro	Arg	Glu	Pro	Ser	Asp	Pro	Asn	Glu	Arg	Cys	Val	Val	Leu	Asn
				125					130					135
Phe	Arg	Lys	Ser	Pro	Lys	Arg	Trp	Gly	Trp	Asn	Asp	Val	Asn	Cys
				140					145					150
Leu	Gly	Pro	Gln	Arg	Ser	Val	Cys	Glu	Met	Met	Lys	Ile	His	Leu
				155					160					165

<210> 27

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521242CD1

<400> 27

Met	Trp	Leu	Leu	Val	Ser	Val	Ile	Leu	Ile	Ser	Arg	Ile	Ser	Ser
1				5					10					15
Val	Gly	Gly	Glu	Glu	Glu	Gly	Trp	Ser	Pro	Thr	Pro	Lys	Cys	Leu
				20					25					30
Arg	Leu	Cys	Phe	Phe	Pro	Phe	Val	Glu	Asn	Gly	His	Ser	Glu	Ser
				35					40					45
Ser	Gly	Gln	Thr	His	Leu	Glu	Gly	Asp	Thr	Val	Gln	Ile	Ile	Cys
				50					55					60
Asn	Thr	Gly	Tyr	Arg	Leu	Gln	Asn	Asn	Glu	Asn	Asn	Ile	Ser	Cys
				65					70					75
Val	Glu	Arg	Gly	Trp	Ser	Thr	Pro	Pro	Lys	Cys	Arg	Ser	Thr	Ile
				80					85					90
Ser	Ala	Glu	Lys	Cys	Gly	Pro	Pro	Pro	Pro	Ile	Asp	Asn	Gly	Asp
				95					100					105
Ile	Thr	Ser	Phe	Leu	Leu	Ser	Val	Tyr	Ala	Pro	Gly	Ser	Ser	Val
				110					115					120
Glu	Tyr	Gln	Cys	Gln	Asn	Leu	Tyr	Gln	Leu	Glu	Gly	Asn	Asn	Gln
				125					130					135
Ile	Thr	Cys	Arg	Asn	Gly	Gln	Trp	Ser	Glu	Pro	Pro	Lys	Cys	Leu
				140					145					150
Asp	Pro	Cys	Val	Ile	Pro	Gln	Glu	Ile	Met	Glu	Lys	Tyr	Asn	Ile
				155					160					165
Lys	Leu	Lys	Trp	Thr	Asn	Gln	Gln	Lys	Leu	Tyr	Ser	Arg	Thr	Gly
				170					175					180
Asp	Ile	Val	Glu	Phe	Val	Cys	Lys	Ser	Gly	Tyr	His	Pro	Thr	Lys
				185					190					195
Ser	His	Ser	Phe	Arg	Ala	Met	Cys	Gln	Asn	Gly	Lys	Leu	Val	Tyr
				200					205					210
Pro	Ser	Cys	Glu	Glu	Lys									
				215										

<210> 28

<211> 228

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522901CD1

<400> 28

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Met Gly Arg Pro Leu Leu Leu Pro Leu Leu Pro Leu Leu Leu Pro
 1          5          10          15
Pro Ala Phe Leu Gln Pro Ser Gly Ser Thr Gly Ser Gly Pro Ser
          20          25          30
Tyr Leu Tyr Gly Val Thr Gln Pro Lys His Leu Ser Ala Ser Met
          35          40          45
Gly Gly Ser Val Glu Ile Pro Phe Ser Phe Tyr Tyr Pro Trp Glu
          50          55          60
Leu Ala Thr Ala Pro Asp Val Arg Ile Ser Trp Arg Arg Gly His
          65          70          75
Phe His Gly Gln Ser Phe Tyr Ser Thr Arg Pro Pro Ser Ile His
          80          85          90
Lys Asp Tyr Val Asn Arg Leu Phe Leu Asn Trp Thr Glu Gly Gln
          95          100          105
Lys Ser Gly Phe Leu Arg Ile Ser Asn Leu Gln Lys Gln Asp Gln
          110          115          120
Ser Val Tyr Phe Cys Arg Val Glu Leu Asp Thr Arg Ser Ser Gly
          125          130          135
Arg Gln Gln Trp Gln Ser Ile Glu Gly Thr Lys Leu Ser Ile Thr
          140          145          150
Gln Gly Gln Gln Arg Thr Lys Ala Thr Thr Pro Ala Arg Glu Pro
          155          160          165
Phe Gln Asn Thr Glu Glu Pro Tyr Glu Asn Ile Arg Asn Glu Gly
          170          175          180
Glu Ser Leu Pro Pro Ser Phe Pro Ser Phe Tyr Pro Trp His Phe
          185          190          195
Leu Phe Pro Gln Ile Pro Pro Thr Trp Val Arg Ala Pro Val Ser
          200          205          210
Ile Phe Phe Phe Pro Phe Leu Ala Pro Cys Pro His Val Thr Leu
          215          220          225
Ala Leu Thr

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<210> 29

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7515599CD1

<400> 29

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Met Leu Leu Leu Phe Leu Leu Phe Glu Gly Leu Cys Cys Pro Gly
 1          5          10          15
Glu Asn Thr Ala Val Lys Pro Glu Ala Trp Leu Ser Cys Gly Pro
          20          25          30
Ser Pro Gly Pro Gly Arg Leu Gln Leu Val Cys His Val Ser Gly
          35          40          45
Phe Tyr Pro Lys Pro Val Trp Val Met Trp Met Arg Gly Glu Gln
          50          55          60
Glu Gln Arg Gly Thr Gln Arg Gly Asp Val Leu Pro Asn Ala Asp
          65          70          75
Glu Thr Trp Tyr Leu Arg Ala Thr Leu Asp Val Ala Ala Gly Glu
          80          85          90
Ala Ala Gly Leu Ser Cys Arg Val Lys His Ser Ser Leu Gly Gly
          95          100          105
His Asp Leu Ile Ile His Trp Ala Leu Ser Phe Ser Trp Glu Pro
          110          115          120

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Thr Leu Arg Thr Pro Arg Ile Gln Asp Ile Ser Ser Ala Trp His
 125 130 135
 Lys Tyr Arg Gly Ser Lys Thr Glu Tyr
 140

<210> 30
 <211> 225
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520320CD1

<400> 30
 Met Pro Ala Ser Ser Pro Phe Leu Pro Ala Pro Lys Gly Pro Pro
 1 5 10 15
 Gly Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala
 20 25 30
 Leu Trp Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala
 35 40 45
 Met Ala Leu Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg
 50 55 60
 Glu Ser Ser Asp Ala Leu Glu Ala Trp Glu Ser Gly Glu Arg Ser
 65 70 75
 Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys Lys Gln His
 80 85 90
 Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys Asp Asp
 95 100 105
 Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg Gly
 110 115 120
 Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala
 125 130 135
 Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr
 140 145 150
 Phe Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln
 155 160 165
 Glu Thr Leu Phe Arg Cys Ile Arg Ser Thr Pro Ser His Pro Asp
 170 175 180
 Arg Ala Tyr Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His
 185 190 195
 Gln Gly Asp Ile Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys
 200 205 210
 Leu Asn Leu Ser Pro His Gly Thr Phe Leu Gly Phe Val Lys Leu
 215 220 225

<210> 31
 <211> 166
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520323CD1

<400> 31
 Met Val Arg Leu Pro Leu Gln Cys Val Leu Trp Gly Cys Leu Leu
 1 5 10 15
 Thr Ala Val His Pro Glu Pro Pro Thr Ala Cys Arg Glu Lys Gln
 20 25 30
 Tyr Leu Ile Asn Ser Gln Cys Cys Ser Leu Cys Gln Pro Gly Gln
 35 40 45

Lys	Leu	Val	Ser	Asp	Cys	Thr	Glu	Phe	Thr	Glu	Thr	Glu	Cys	Leu
				50					55					60
Pro	Cys	Gly	Glu	Ser	Glu	Phe	Leu	Asp	Thr	Trp	Asn	Arg	Glu	Thr
				65					70					75
His	Cys	His	Gln	His	Lys	Tyr	Cys	Asp	Pro	Asn	Leu	Gly	Leu	Arg
				80					85					90
Val	Gln	Gln	Lys	Gly	Thr	Ser	Glu	Thr	Asp	Thr	Ile	Cys	Thr	Cys
				95					100					105
Glu	Glu	Gly	Trp	His	Cys	Thr	Ser	Glu	Ala	Cys	Glu	Ser	Cys	Val
				110					115					120
Leu	His	Arg	Ser	Cys	Ser	Pro	Gly	Phe	Gly	Val	Lys	Gln	Ile	Ala
				125					130					135
Val	Arg	Pro	Lys	Thr	Trp	Leu	Cys	Asn	Arg	Gln	Ala	Gln	Thr	Arg
				140					145					150
Leu	Met	Leu	Ser	Val	Val	Ser	Pro	Gly	Gln	Trp	Ala	Leu	Glu	Lys
				155					160					165

Ala

<210> 32
 <211> 181
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520324CD1

<400> 32
Met Ala Gly Pro Pro Arg Leu Leu Leu Leu Pro Leu Leu Leu Ala
1 5 10 15
Leu Ala Arg Gly Leu Pro Gly Ala Leu Ala Ala Gln Gly Arg Thr
20 25 30
Phe Ser Val Leu Leu Ala Arg Leu Met Val Thr Ala Gln Val Leu
35 40 45
Pro Arg Gly Ala Ala Val Ser Pro Leu His Asp Cys Pro Arg Gly
50 55 60
Ser Leu Arg Gln His His Leu Leu His Gln Arg Gly Pro Ala Trp
65 70 75
Asp Leu Pro Glu Ala Ala Arg Ala Thr Ala Pro Arg His His Leu
80 85 90
Leu Arg Gly Arg Gly Gly Ala His Tyr Gly Gln Thr Val Pro Gly
95 100 105
Pro His Arg Leu Leu Arg Val Pro Gly Gln Pro Asp Tyr His His
110 115 120
Ala Pro Pro Ala Ala Val Gly His Trp His Leu His Leu Pro Gly
125 130 135
His His Gly Gly Gln Cys Leu Arg Leu Arg His Pro Gly Pro Gly
140 145 150
Asp Arg Gly Thr Val Pro Arg Met Ala Gln Met Leu Gly Arg Pro
155 160 165
Thr Lys Gly Leu Cys Pro Pro Cys Pro Thr Asp Arg Leu Arg Pro
170 175 180

Pro

<210> 33
 <211> 412
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte ID No: 7521033CD1

<400> 33

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Met Ile Thr Glu Gly Ala Gln Ala Pro Arg Leu Leu Leu Pro Pro
 1          5          10          15
Leu Leu Leu Leu Leu Thr Leu Pro Ala Thr Gly Ser Asp Pro Val
          20          25          30
Leu Cys Phe Thr Gln Tyr Glu Glu Ser Ser Gly Lys Cys Lys Gly
          35          40          45
Leu Leu Gly Gly Gly Val Ser Val Glu Asp Cys Cys Leu Asn Thr
          50          55          60
Ala Phe Ala Tyr Gln Lys Arg Ser Gly Gly Leu Cys Gln Pro Cys
          65          70          75
Arg Ser Pro Arg Trp Ser Leu Trp Ser Thr Trp Ala Pro Cys Ser
          80          85          90
Val Thr Cys Ser Glu Gly Ser Gln Leu Arg Tyr Arg Arg Cys Val
          95          100          105
Gly Trp Asn Gly Gln Cys Ser Gly Lys Val Ala Pro Gly Thr Leu
          110          115          120
Glu Trp Gln Leu Gln Ala Cys Glu Asp Gln Gln Cys Cys Pro Ala
          125          130          135
His Gly Ala Trp Ala Thr Trp Gly Pro Trp Thr Pro Cys Ser Ala
          140          145          150
Ser Cys His Gly Gly Pro His Glu Pro Lys Glu Thr Arg Ser Arg
          155          160          165
Lys Cys Ser Ala Pro Glu Pro Ser Gln Lys Pro Pro Gly Lys Pro
          170          175          180
Cys Pro Gly Leu Ala Tyr Glu Gln Arg Arg Cys Thr Gly Leu Pro
          185          190          195
Pro Cys Pro Val Ala Gly Gly Trp Gly Pro Trp Gly Pro Val Ser
          200          205          210
Pro Cys Pro Val Thr Cys Gly Leu Gly Gln Thr Met Glu Gln Arg
          215          220          225
Thr Cys Asn His Pro Val Pro Gln His Gly Gly Pro Phe Cys Ala
          230          235          240
Gly Asp Ala Thr Arg Thr His Ile Cys Asn Thr Ala Val Pro Cys
          245          250          255
Pro Val Asp Gly Glu Trp Asp Ser Trp Gly Glu Trp Ser Pro Cys
          260          265          270
Ile Arg Arg Asn Met Lys Ser Ile Ser Cys Gln Glu Ile Pro Gly
          275          280          285
Gln Gln Ser Arg Gly Arg Thr Cys Arg Gly Arg Lys Phe Asp Gly
          290          295          300
His Arg Cys Ala Gly Gln Gln Gln Asp Ile Arg His Cys Tyr Ser
          305          310          315
Ile Gln His Cys Pro Leu Lys Gly Ser Trp Ser Glu Trp Ser Thr
          320          325          330
Trp Gly Leu Cys Met Pro Pro Cys Gly Pro Asn Pro Thr Arg Ala
          335          340          345
Arg Gln Arg Leu Cys Thr Pro Leu Leu Pro Lys Tyr Pro Pro Thr
          350          355          360
Val Ser Met Val Glu Gly Gln Gly Glu Lys Asn Val Thr Phe Trp
          365          370          375
Gly Arg Pro Leu Pro Arg Cys Glu Glu Leu Gln Gly Gln Lys Leu
          380          385          390
Val Val Glu Glu Lys Arg Pro Cys Leu His Val Pro Ala Cys Lys
          395          400          405
Asp Pro Glu Glu Glu Glu Leu
          410

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<210> 34

<211> 354

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521107CD1

<400> 34

Met	Ile	Thr	Glu	Gly	Ala	Gln	Ala	Pro	Arg	Leu	Leu	Leu	Pro	Pro	1	5	10	15
Leu	Leu	Leu	Leu	Leu	Thr	Leu	Pro	Ala	Thr	Gly	Ser	Asp	Pro	Val	20	25	30	35
Leu	Cys	Phe	Thr	Gln	Tyr	Glu	Glu	Ser	Ser	Gly	Lys	Cys	Lys	Gly	40	45	50	55
Leu	Leu	Gly	Gly	Gly	Val	Ser	Val	Glu	Asp	Cys	Cys	Leu	Asn	Thr	60	65	70	75
Ala	Phe	Ala	Tyr	Gln	Lys	Arg	Ser	Gly	Gly	Leu	Cys	Gln	Pro	Cys	80	85	90	95
Arg	Ser	Pro	Arg	Trp	Ser	Leu	Trp	Ser	Thr	Trp	Ala	Pro	Cys	Ser	100	105	110	115
Val	Thr	Cys	Ser	Glu	Gly	Ser	Gln	Leu	Arg	Tyr	Arg	Arg	Cys	Val	120	125	130	135
Gly	Trp	Asn	Gly	Gln	Cys	Ser	Gly	Lys	Val	Ala	Pro	Gly	Thr	Leu	140	145	150	155
Glu	Trp	Gln	Leu	Gln	Ala	Cys	Glu	Asp	Gln	Gln	Cys	Cys	Pro	Ala	160	165	170	175
His	Gly	Ala	Trp	Ala	Thr	Trp	Gly	Pro	Trp	Thr	Pro	Cys	Ser	Ala	180	185	190	195
Ser	Cys	His	Gly	Gly	Pro	His	Glu	Pro	Lys	Glu	Thr	Arg	Ser	Arg	200	205	210	215
Lys	Cys	Ser	Ala	Pro	Glu	Pro	Ser	Gln	Lys	Pro	Pro	Gly	Lys	Pro	220	225	230	235
Cys	Pro	Gly	Leu	Ala	Tyr	Glu	Gln	Arg	Arg	Cys	Thr	Gly	Leu	Pro	240	245	250	255
Pro	Cys	Pro	Val	Asp	Gly	Glu	Trp	Asp	Ser	Trp	Gly	Glu	Trp	Ser	260	265	270	275
Pro	Cys	Ile	Arg	Arg	Asn	Met	Lys	Ser	Ile	Ser	Cys	Gln	Glu	Ile	280	285	290	295
Pro	Gly	Gln	Gln	Ser	Arg	Gly	Arg	Thr	Cys	Arg	Gly	Arg	Lys	Phe	300	305	310	315
Asp	Gly	His	Arg	Cys	Ala	Gly	Gln	Gln	Gln	Asp	Ile	Arg	His	Cys	320	325	330	335
Tyr	Ser	Ile	Gln	His	Cys	Pro	Leu	Lys	Gly	Ser	Trp	Ser	Glu	Trp	340	345	350	
Ser	Thr	Trp	Gly	Leu	Cys	Met	Pro	Pro	Cys	Gly	Pro	Asn	Pro	Thr				
Arg	Ala	Arg	Gln	Arg	Leu	Cys	Thr	Pro	Leu	Leu	Pro	Lys	Tyr	Pro				
Pro	Thr	Val	Ser	Met	Val	Glu	Gly	Gln	Gly	Glu	Lys	Asn	Val	Thr				
Phe	Trp	Gly	Arg	Pro	Leu	Pro	Arg	Cys	Glu	Glu	Leu	Gln	Gly	Gln				
Lys	Leu	Val	Val	Glu	Glu	Lys	Arg	Pro	Cys	Leu	His	Val	Pro	Ala				
Cys	Lys	Asp	Pro	Glu	Glu	Glu	Glu	Leu										

<210> 35

<211> 265

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521220CD1

<400> 35

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Met Ser Met Ser Pro Thr Val Ile Ile Leu Ala Cys Leu Gly Phe
 1          5          10          15
Phe Leu Asp Gln Ser Val Trp Ala His Val Gly Leu Tyr Glu Lys
          20          25          30
Pro Ser Leu Thr Ala Arg Pro Gly Pro Thr Val Arg Ala Gly Glu
          35          40          45
Asn Val Thr Leu Ser Cys Ser Ser Gln Ser Ser Phe Asp Ile Tyr
          50          55          60
His Leu Ser Arg Glu Gly Glu Ala His Glu Leu Arg Leu Pro Ala
          65          70          75
Val Pro Ser Ile Asn Gly Thr Phe Gln Ala Asp Phe Pro Leu Gly
          80          85          90
Pro Ala Thr His Gly Glu Thr Tyr Arg Cys Phe Gly Ser Phe His
          95          100          105
Gly Ser Pro Tyr Glu Trp Ser Asp Pro Ser Asp Pro Leu Pro Val
          110          115          120
Ser Val Thr Gly Ile Ala Arg His Leu His Ala Val Ile Arg Tyr
          125          130          135
Ser Val Ala Ile Ile Leu Phe Thr Ile Leu Pro Phe Phe Leu Leu
          140          145          150
His Arg Trp Cys Ser Lys Lys Lys Asn Ala Ala Val Met Asn Gln
          155          160          165
Glu Pro Ala Gly His Arg Thr Val Asn Arg Glu Asp Ser Asp Glu
          170          175          180
Gln Asp Pro Gln Glu Val Thr Tyr Ala Gln Leu Asp His Cys Ile
          185          190          195
Phe Thr Gln Arg Lys Ile Thr Gly Pro Ser Gln Arg Ser Lys Arg
          200          205          210
Pro Ser Thr Asp Thr Ser Val Cys Ile Glu Leu Pro Asn Ala Glu
          215          220          225
Pro Arg Ala Leu Ser Pro Ala His Glu His His Ser Gln Ala Leu
          230          235          240
Met Gly Ser Ser Arg Glu Thr Thr Ala Leu Ser Gln Thr Gln Leu
          245          250          255
Ala Ser Ser Asn Val Pro Ala Ala Gly Ile
          260          265

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<210> 36

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7519269CB1

<400> 36

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tgccagggcg cacaacggcc gtgtccacct cccggcccca agatggtgct tcccacaggc 60
agccacgcgt agcagccaga gacagctcca gacatgtggc tcttcttcgg gatcactgga 120
ttgctgacgg cagccctctc aggacttgaa gagttgcatg cctcccacat cccaactgcc 180
aaccctggac actgcattac agaccgcca tccctgggccc ctcaagtatca cccgaggagc 240
aacagtgagt cgagcacctc ttcgggggag gattactgca atagtcccaa aagcaagctg 300
cctccatgga acccccaggt gttttcttca gagaggagtt ccttcctgga gcagccccc 360
aacttggagc tggccggcac ccagccagcc ttttcagggt ccccccagccc tcagcctgac 420
tccaccgaca acgatgacta cgatgacatc agcgcagcct aggcgggggc cagccgaggc 480
tccctgggggtg gctctgaccc tctggcctcc tgctctacct actccctttc ccctttccca 540
ccctcccagc tcacctcccc atggagctga gaggcctccc ttggagagat ggaaggaaac 600
gttataacctt gtaccctctg gtctccatcc atcaagccaa acctgctgcc acagccctcc 660
cccggcccca gatagcagcc ccagggagga tgctgcctcc aagaggtgtg agccctctgt 720
ctcgggggatg aacaagcaga gtctgggcta cctcttgaca gctggtggag ga 772

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<210> 37
 <211> 1108
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7519418CB1

<400> 37
 tgccaggggcg cacaacggcc gtgtccacct cccggcccca agatgggtgct tcccacaggc 60
 agccacgcgt agcagccaga gacagctcca gacatgtggc tcttcttcgg gatcactgga 120
 ttgctgacgg cagccccctc agaattcttct gtgacagtga aaatagagaa caaggaatct 180
 cgggagctaa tgctcctcat cccctccatc gttctgggaa ttctcctcct tggctccctc 240
 atcttcatag ccttcatcct cttgagaatt aaaggaaaat atgttttcat gctgcccac 300
 cagggtccagg ccccgccccc tgaggactca gactctggct cggactcaga ctatgagcac 360
 tatgacttca gcgcccagcc tcctgtggcc ctgaccacct tctacaattc ccagcggcat 420
 cgggtcacag atgaggaggc ccagcaaagc aggttccaga tgccaccctt ggaggaagga 480
 cttgaagagt tgcattgcctc ccacatccca actgccacc ctggacactg cattacagac 540
 ccgccatccc tgggcccctca gtatcacccg aggagcaaca gtgagtcgag cacctcttcg 600
 ggggaggatt actgcaatag tcccaaaagc aagctgcctc catggaaccc ccagggtgtt 660
 tcttcagaga ggagttcctt cctggagcag cccccaactc tggagctggc tggcaccag 720
 ccagcctttt cagggtcccc cagccctcag cctgactcca ccgacaacga tgactacgat 780
 gacatcacgc cagcctaggc cggggccagc cgaggctcct ggggtggctc tgaccctctg 840
 gcctcctgct ctacctactc cctttccctt ttcccaccct ccagctcac ctccccatgg 900
 agctgagagg cctcccttgg agagatggaa ggaaacgta taccttgatc ccctcggct 960
 ccatccatca agccaaacct gctgccacag ccctcccccg gccccagata gcagccccag 1020
 ggaggatgct gcctccaaga ggtgtgagcc ctctgtctcg gggatgaaca agcagagtct 1080
 gggctacctc ttgacagctg gtggagga 1108

<210> 38
 <211> 947
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7519531CB1

<400> 38
 tgccaggggcg cacaacggcc gtgtccacct cccggcccca agatgggtgct tcccacaggc 60
 agccacgcgt agcagccaga gacagctcca gacatgtggc tcttcttcgg gatcactgga 120
 ttgctgacgg cagccctctc agattcccag cggcatcggg tcacagatga ggagggtccag 180
 caaagcagggt tccagatgcc acccttggag gaaggacttg aagagttgca tgcctcccac 240
 atcccaactg ccaaccctgg acactgcatt acagaccgc catccctggg ccctcagtat 300
 caccggagga gcaacagtga gtgcagcacc tcttcagggg aggattactg caatagtccc 360
 aaaagcaagc tgcctccatg gaacccccag gtgttttctt cagagaggag ttccttcctg 420
 gagcagcccc caaacttgga gctggccggc acccagccag ccttttcagg gcccccggt 480
 gatgacagct ccagcacctc atccggggag tggtagcaga acttccagcc accaccccag 540
 ccccttctcg aggagcagtt tggctgtcca ggggtcccca gccctcagcc tgactccacc 600
 gacaacgatg actacgatga catcagcgca gcctaggccg gggccagccg aggtcctctg 660
 ggtggctctg accctctggc ctctgtctct acctactccc tttccccctt cccaccctcc 720
 cagctcacct ccccatggag ctgagagggc ctcccttgga gagatggaag gaaacgctat 780
 accttgtacc cctcgggtct catccatcaa gccaaacctg ctgccacagc cctcccccg 840
 cccagatag cagccccagg gaggatgctg cctccaagag gtgtgagccc tctgtctcg 900
 ggatgaacaa gcagagtctg ggctacctct tgacagctgg tggagga 947

<210> 39
 <211> 821
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7519542CB1

<400> 39

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tctgtgtccc cccgacatgt gacccagccc cgcgcgccat gggggctccc ggcgcgccgg 60
ccctgcggcc gctgcgctgt ccgcgcgtgc tgctgttgct cctggcggcg ccttggggac 120
gggcagttcc ctgtgtctct ggtggtttgc ctaaacctgc aaacatcacc ttcttatcca 180
tcaacatgaa gaatgtccta caatggactc caccagaggg tcttcaagga gttaaagtta 240
cttacactgt gcagtatttc attggtccca gtgtgtgacc aaccacacgc tgggtgtcac 300
ctggctggag ccgaacactc tttactgcgt acacgtggag tccttcgtcc cagggccccc 360
tcgcccgtgt cagccttctg agaagcagtg tgccaggact ttgaaagatc aatcatcaga 420
gttcaaggct aaaatcatct tctggtatgt tttgcccata tctattaccg tgtttctttt 480
ttctgtgatg ggctattcca tctaccgata tatccacgtt ggcaaagaga aacaccacgc 540
aaatttgatt ttgatttatg gaaatgaatt tgacaaaaga ttctttgtgc ctgctgaaaa 600
aatcgtgatt aactttatca ccctcaatat ctcggtatgt tctaaaattt ctcacagga 660
tatgagttta ctgggaaaaa gcagtgatgt atccagcctt aattgatcct cagccagcgg 720
gaacctgagg gccccctcag gacggaaaga ggacggtgaa accatttaag ggtaatgctt 780
cgcattttgc atcgaaaatt tttggtgact cttgaagaaa c 821

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<210> 40

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7519541CB1

<400> 40

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tggctgagcc cccggctccc cgtccccct ctccctccat cccggtgaaa actgccccgt 60
ccgagctggg tgcagcaacc ggaggcggcg gcgcgtctgg aggaggctgc agcagcggaa 120
gacccagtc cagatccagg actgagatcc cagaacctat aacctggcca tcagcatcgc 180
tctcctgcta acagtcttgc aggtctcccg agggcagaag gtgaccagcc taacggcctg 240
cctagtggac cagagccttc gtctggactg ccgccatgag aataccagca gttcacccat 300
ccagtacgag ttcagcctga cccgtgagac aaagaagcac gtgctctttg gcaactgtggg 360
ggtgcctgag cacacatacc gctcccgaac caacttcacc agcaaataca acatgaagg 420
cctctactta tccgccttca ctagcaagga cgagggcacc tacacgtgtg cactccacca 480
ctctggccat tccccacca tctcctccca gaacgtcaca gtgctcagag gccacggatt 540
tcatgtccct gtgactggtg gggcccatgg aggagacagg aagcctcaag ttccagtga 600
gagatcctaa 610

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<210> 41

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520794CB1

<400> 41

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tgattcaaag caacaccacc accactgaag tatttttagt tatataagat tggaactacc 60
aagcatgtgg ctccctggta gtgtaattct aatctcacgg atatcctctg ttgggggaga 120
agcaatgttc tgtgattttc caaaaataaa ccatggaatt ctatatgatg aagaaaaata 180
taagccattt tcccaagttc ctacagggga agttttctat tactcctgtg aatataattt 240
tgtgtctcct tcaaaatcct tttggactcg cataacgtgc gcagaagaag gatggtcacc 300
aacaccaaag tgtctcattt ctgcagaaaa atgtggggcc cctccaccta ttgacaatgg 360
agacattact tcattcctgt tgtcagtata tgctccagg tcatcagttg agtaccagtg 420
ccagaacttg tatcaacttg agggtaacaa tcaataataca tgtagaaacg gacaatggtc 480
agaaccacca aaatgcttag atccatgtgt aatatcacia gaaattatgg aaaaatataa 540
cataaaatta aagtggacaa accaacaata gctttattca agaacagggt acatagttga 600
atgtgtttgt aaatctggat atcatccaac aaaatctcat tcatttcgag caatgtgtca 660
gaatgggaaa ctggtatatc ccagttgtga ggaaaaatag aatca 705

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<210> 42
 <211> 349
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520826CB1

<400> 42
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 caccgcccc tgggatccgc aggttcccta caccgtctcc tgggtcaaga agtttgcacg 180
 gctacagagt atcttcccag atttttctaa agctggcatg gaacgagctt ttctcccagt 240
 tacctcccca aataagcatt tagggctagt gactcctcac aagacagaac tggatgagc 300
 aggatttctg caggttcttc ttctgaagc tgaggctcag ggggtgtgca 349

<210> 43
 <211> 715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520871CB1

<400> 43
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 gtgatcctgt ggtttcagct ggcgctgtgc ttggccctg cacagctcac gggcgattgc 180
 cgtatccctc aaatcgaaga tgctgagatt cataacaaga catatagaca tggagagaag 240
 ctaatcatca ctgtcatga aggattcaag atccggtacc ccgaccaca caatatgggt 300
 tcattatgtc gcgatgatgg aacgtggaat aatctgccca tctgtcaagg ctgcctgaga 360
 cctctagcct cttctaattg ctatgtaaac atctctgagc tccagacctc cttcccgggtg 420
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 ggaagacctg aacatctttt cctgtcctt tatttccac acatcagggtt ggcagctgct 600
 gtgctttatt ttgcccgtg gttaaagtcc tctccaccc cagcacctac ctgttcctca 660
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<210> 44
 <211> 834
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520952CB1

<400> 44
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 gattcccttg gatggatctg tgaaaatcca gtgccaggcc attcgtgaag cttacctgac 180
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 gaatgagact gatcctgagt tcgtcattga ccacatggac gcaaacaagg cagggcgcta 300
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 acacgacgca gaacttgatc cgcattggccg tggcaggact ggtcctctgt gctctcttgg 660
 ccatactggg tgaaaattgg cacagccata cggcactgaa caaggaagcc tcggcagatg 720
 tggctgaacc gagctggagc caacagatgt gtcagccagg attgacctt gcacgaacac 780

caagtgtctg caagtaaaca cctggagggtg aaggcagaga ggagccagga ctga 834

<210> 45

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521013CB1

<400> 45

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tctggtcgcc	gccccggatg	gtgggtttcga	tttatctgat	gcccttcctg	acaatgaaaa	180
caagaaaccc	actgcaatcc	ccaagaaacc	cagtgcctggg	gatgactttg	acttaggaga	240
tgctgttggt	gatggagaaa	atgacgaccc	acgaccaccg	aaccacacca	aaccgatgcc	300
aaatccaaac	cccaaccacc	ctagtccctc	cggtagcttt	tcagatgctg	accttgccgga	360
tggcggtttca	ggtggagaag	gaaaaggagg	cagtgatggt	ggaggcagcc	acaggaaaga	420
aggggaagag	gcagaacaag	gggaggtgga	catggagagc	caccggaatg	ccaacgcaga	480
gccagctggt	cagcgtactc	ttttagagaa	atagaagatt	gtcggcagga	acagcccagg	540
cggtggcagc	agggttagaa	cagct				565

<210> 46

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520129CB1

<400> 46

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tacgacaatg	cgggtcaacct	tagctgcaag	tattcctaca	atctcttctc	aagggtgttc	180
cgggcatccc	ttcacaaagg	actggatagt	gctgtggaag	tctgtgttgt	gtatggggaat	240
tactcccagc	agcttcagggt	gaggagtaag	aggagcaggc	tcctgcacag	tgactacatg	300
aacatgactc	cccgcgcgcc	cgggcccacc	cgcaagcatt	accagcccca	tgccccacca	360
cgcgacttcg	cagcctatcg	ctcctgacac	ggacgcctat	ccagaagcca	gccggctggc	420
agcccccatc	tgctcaatat	cactgctctg	gata			454

<210> 47

<211> 619

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520219CB1

<400> 47

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acgccggccc	gcatccccca	tcagcaccat	ccagcccagg	gccaattttg	atgctcagca	180
ggagcagggc	caccggggccg	aggccaccac	actgcatgtg	gctccccagg	gcacagccat	240
ggctgtcagt	accttccgaa	agctggatgg	gatctgctgg	cagggtgcgc	agctctatgg	300
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gcagctgtca	gtgaagctct	agcccgcgtc	gtccctgtg	agcgactcgg	tcctgagtgg	480
gtttgagcag	cgggtccagg	aggcccacct	gactgaggac	cagatcttct	acttcccca	540
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cccggcacac	agctccagt					619

<210> 48
 <211> 782
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520229CB1

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 gtttgcaggg acctggctcc ttgtggctgt gggctccgct tgccgtttcc tgcaggagca 240
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 cagtaccttc cgaaagctcc cgaggcgccc gaggggctgt gcacgtgggt gtcgctgaga 360
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 gggggcccga gctcgcggcc ctggatccaa tagtgcgcc aaatgccgac aatcactggc 720
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 aa 782

<210> 49
 <211> 725
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520239CB1

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 acgccggccc gcatccccc tccagcaccat ccagcccaag gccaatTTTg atgctcagca 180
 gtttgcaggg acctggctcc ttgtggctgt gggctccgct tgccgtttcc tgcaggagca 240
 gggccaccgg gccgaggcca ccacactgca tgtggctccc cagggcacag ccatggctgt 300
 cagtaccttc cgaaagctgg atgggatctg ttggcaggcg cgccagctct atggagacac 360
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 tgtcgtctgag accgactacc agagtTtgc tgctcctgtac ctggagcggg cggggcagct 480
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 gtccaggagg cccacctgac tgaggaccag atcttctact tccccaagta cggcttctgc 660
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 ccagt 725

<210> 50
 <211> 1148
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7518556CB1

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 tcccagggtg tgacaatgca gacgcatccc aggaacacgt ctccctccat gtcattccaga 180
 tcttctcatt tgtcaaccaa tcctgggcac gaggtcaggg ctccaggatg ctggacagat 240

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ttggattaac tcgggagatt caagaccatg caagtcaaga ttactcgaaa tatccctttg 420
aagtacaggt gaaagcgggc tgtgagctgc attctggaaa gagcccagaa ggcttctttc 480
aggtagcttt caacggatta gattttactga gtttccagaa tacaacatgg gtgccatctc 540
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tgtaagaac ccagcaaccc aggagcctag tacaatatag tgatgccatc ccgtcgactc 1080
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<210> 51

<211> 849

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520026CB1

<400> 51

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cacgccggcc cgcattcccc atcagcacca tccagcccaa ggccaatttt gacgcgcagc 180
aggtagaagt tggggggggg agaggaggc aggtagaagt tgtgggaggg gtagaggagg 240
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cgggtccagg agggccacct gactgaggac cagatcttct acttcccaa gtacggcttc 780
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gctccagta 849

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<210> 52

<211> 962

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7514650CB1

<400> 52

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ggtccagttg ctttctccct ggggtgtgtc ctggtgttgc ctgctgcctt ccctgcccc 120
gtacccccag gagaagattc caaagatgta gccgccccac acagacagcc actcacctct 180
tcagaacgaa ttgacaaaca aattcggtac atcctcgacg gcatctcagc cctgagaaa 240
gagacatgta acaagagtaa catgtgtgaa agcagcaaag aggcactggc agaaaacaac 300
ccgaaccttc caaagatggc tgaataagat ggaatgcttc aatctggatt caatgggca 360
aagaatctag atgcaataac caccctgac ccaaccacaa atgccagcct gctgacgaag 420
ctgcaggcac agaaccagt gctgcaggac atgacaactc atctcattct gcgcagcttt 480
aaggagttcc tgcagtccag cctgagggct cttcggcaaa tgtagcatgg gcacctcaga 540
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ttatgttggt ctctatggag aactaaaagt atgagcgtta ggacactatt ttaattat 660
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ttttaagaag taccacttga aacattttat gtattagttt tgaaataata atggaaagt 780
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tacctcaaat aaatggctaa cttatacata tttttaaaga aatatttata ttgtatttat 900
ataatgtata aatgggtttt ataccaataa atggcatttt aaaaaattca gcaaaaaaaa 960
aa 962

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<210> 53

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7518754CB1

<400> 53

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tgtggaccgg cagtctgcc gcctggagcc aggacagcaa tgctgacaa cacatgcata 180
ccttgaagag ccctgtcagg aggcttcaa ccaaaccaac cgtaagctgg gtctgacata 240
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cctgggcctt gtcttcctta cctccttggc tggccttggc ctctgggtgc tgcactgaga 360
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<210> 54

<211> 804

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7518846CB1

<400> 54

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ctgcaactgag gagagcagct gccacacgga ggatgacttg actgatgcaa gggaagctgg 180
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<210> 55

<211> 936

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7519298CB1

<400> 55

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gaagacactc aatttgggaa gctgtgtgat cgccacaaac cttcaggaaa tacgaaatgg 180
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<210> 56

<211> 862

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521374CB1

<400> 56

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ggttcgcgca ggagagaacg tgaccttgtc ctgcagctcc cagagctcct ttgacatcta 180
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tggaacattc caggccgact tccctctggg tccctgccacc cacggagaga cctacagatg 300
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gaaccaagag cctgcgggac acagaacagt gaacagggag gactctgatg aacaagacct 600
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ttctagggag acaacagccc tgtctcaaac ccagcttgcc agctctaattg taccagcagc 840
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<210> 57

<211> 1074

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521399CB1

<400> 57

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atggatctcc ctacgagtgg tcagacccga gtgacccact gcctgtttct gtcacaggaa 660
acccttctag tagttggcct tcacccactg aaccaagctt caaaactggt atcgccagac 720

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acctgcatgc	tgtgattaga	tgctgctgta	atgaaccaag	agcctgcggg	acacagaaca	780
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acagatacca	gcgtgtgtat	agaacttcca	aatgctgagc	ccagagcggt	gtctcctgcc	960
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<210> 58

<211> 1723

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7520356CB1

<400> 58

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<210> 59

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520783CB1

<400> 59

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aggactgtgt	ttctttcctt	ttgtggaaaa	tggtcattct	gaatcttcag	gacaaacaca	180
tctggaagg	gatactgtac	aaattatttg	caacacagga	tacagacttc	aaaacaatga	240
gaacaacatt	tcatgtgtag	aacggggctg	gtccactcct	cccaaattga	ggtccactat	300
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agatccatgt gtaatatcac aagaaattat ggaaaaatat aacataaaat taaagtggac 540
aaaccaacaa aagcttttatt caagaacagg tgacatagtt gaatttgttt gtaaattctgg 600
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687

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<210> 60
 <211> 992
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520788CB1

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992

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<210> 61
 <211> 524
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520790CB1

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aggtcagcga cattggcaat gggttgatca gacaccatac aatgaaagt ccacattctg 360
gcatccacgt gagccagtg atcccaatga gcgctgcgtt gtgctaaatt ttcgtaaatc 420
acccaaaaga tggggctgga atgatgttaa ttgtcttggg cctcaaaggt cagtttgtga 480
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524

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<210> 62
 <211> 720
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 62

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agaagaagga	g	tggtcaccaa	caccaaagtg	tctcagactg	tgtttctttc	cttttgtgga	180
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aaacggacaa	t	gggtcagaac	caccaaagtg	cttagatcca	tgtgtaatac	cacaagaaat	540
tatggaaaaa	t	tataacataa	aattaaagtg	gacaaaccaa	caaaagcttt	attcaagaac	600
aggtgacata	g	tttgaatttg	tttgtaaatc	tggtatcat	ccaacaaaat	ctcatttcatt	660
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<210> 63

<211> 1164

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7522901CB1

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<210> 64

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7515599CB1

<400> 64

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cagcagctta	g	gggggccaatg	atctaatacat	ccattggggc	ctgtctttct	catgggagcc	360
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 <211> 736
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520320CB1

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 tggggagaga tccccgaaaa ggagagcagt gctcacccaa aaacagaaga agcagcactc 300
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 <211> 823
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<220>
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<210> 68

<211> 1314

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521033CB1

<400> 68

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<210> 69

<211> 1139

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7521107CB1

<400> 69

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